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PN - JP6192985 A 19940712
PD - 1994-07-12
PR - JP19920359423 19921225
OPD - 1992-12-25
TI - MACERATION PROMOTER COMPOSITION FOR RECOVERING PULP
IN - SUGASAWA AKITOSHI;INABA TAKASHI;ONO YASUYUKI;SAKOTA NAOICHI;HASHIMOTO SATORU
PA - NIHON SURFACTANT KOGYO KK;NIKKO CHEMICALS;RENGO CO LTD
IC - D21C5/02

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TI - Dissociation accelerator compsn for recovering pulp - contains surfactant contg at least one nitrogen atom and at least one siloxane unit
PR - JP19920359423 19921225
PN / - JP3256862B2 B2 20020218 DW200219 D21B1/32 010pp
- JP6192985 A 19940712 DW199432 D21C5/02 010pp
PA - (NIKK-N) NIKKO CHEM CO LTD
- (NIHS) NIPPON SURFACTANT KOGYO KK
- (RENJ) RENG CO LTD
IC - D21B1/32 ;D21C5/02
AB - J06192985 The dissociation accelerator compsn. contains a surfactant contg at least one or more N in the mol. and/or a surfactant contg. at least one or more siloxane structure in the mol. as essential component.
- The dissociation accelerator further contains at least one anionic and nonionic surfactant contg. no N and siloxane structure in the mol. The surfactant contg. at least one or more N in a mol. is a polyoxyalkylene derivative of organic amine contg. at least one or more N in a mol. The surfactant contg. at least one or more siloxane structure in a mol. has a polyoxyalkylene group as hydrophilic group.
- USE/ADVANTAGE - The dissociation accelerator compsn. can separate and recover pulp from composite material comprising pulp and hydrophobic material, esp. industrial waste, partic. contg. laminated or combined pulp, plastic and metal in one process.
- (Dwg.1/1)
OPD - 1992-12-25

AN - 1994-261044 [32]

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PN - JP6192985 A 19940712

PD - 1994-07-12

AP - JP19920359423 19921225

IN - SAKOTA NAOICHI; others:04

PA - RENGU CO LTD; others: 02

TI - MACERATION PROMOTER COMPOSITION FOR RECOVERING PULP

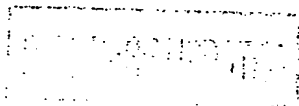
AB - PURPOSE:To obtain composition capable of macerating pulp from waste comprising pulp, plastics and metals by adding a surfactant containing N in the molecule and/or a surfactant containing a siloxane structure in the molecule as an essential component.
- CONSTITUTION:A maceration promoter composition for recovering pulp comprises a surfactant (a polyoxyalkylene derivative of organic amine) containing N in the molecule and/or a surfactant (a surfactant containing a siloxane structure in the molecule having a polyoxyalkylene group as a hydrophilic group) containing a siloxane structure in the molecule as an essential component.

I - D21C5/02



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Your Reference: A1434
Application No: GB 0217197.3
3 December 2002

**The Patent Office
Patents Directorate**

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Dear Sirs

Patents Act 1977: Search Report under Section 17(5)

I enclose two copies of my search report and two copies of the citation.

Publication

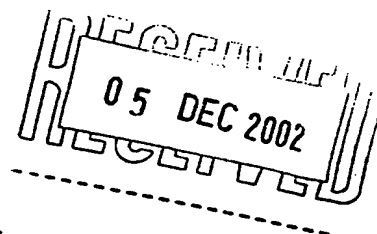
I estimate that, provided you have met all formal requirements, preparations for publication of your application will be completed soon after **16 December 2003**. You will then receive a letter informing you of completion and telling you the publication number and date of publication.

Amendment/withdrawal

If you wish to file amended claims for inclusion with the published application, or to withdraw the application to prevent publication, you must do so before the preparations for publication are completed. **No reminder will be issued.** If you write to the Office less than 3 weeks before the above completion date, please mark your letter prominently: **"URGENT - PUBLICATION IMMINENT"**.

Yours faithfully

A J Rudge
Examiner



[†]Use of E-mail: Please note that e-mail should be used for correspondence only.



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Application No: GB 0217197.3
Claims searched: 1-27

Examiner: A J Rudge
Date of search: 4 December 2002

Patents Act 1977 Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.T): D2W

Int Cl (Ed.7): D21C5/

Other: Online databases: EPODOC, JAPIO, WPI

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	JP6192985A (NIHON SURFACTANT KOGYO KK) see abstract	1 at least

X Document indicating lack of novelty or inventive step
Y Document indicating lack of inventive step if combined with one or more other documents of same category.
& Member of the same patent family

A Document indicating technological background and/or state of the art.
P Document published on or after the declared priority date but before the filing date of this invention.
E Patent document published on or after, but with priority date earlier than, the filing date of this application.